



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2U-4-00-L4-935-FW-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL #13052732.23
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 6-20-2025
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
 [LUMINAIRE] 4' INDIRECT SUSPENDED LUMINAIRE
 [OTHER] WITH FROSTED ACRYLIC LENS
 [LUMCAT] MX2U-4-00-L4-935-FW-DIM-UNV
 [LAMPCAT] HLM 90 CRI, 3500K CCT
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor, Architectural, Commercial, Indirect, Linear
 [SEARCH_MOUNTING] Suspended
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1318
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	11.7
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

27.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

55.0	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000
90.0	1.559	2.988	2.511	2.901	2.988
90.5	2.641	3.984	2.944	3.204	3.334
91.0	4.243	5.239	3.594	3.507	3.594
91.5	6.408	6.711	4.546	3.897	3.854
92.0	8.747	8.270	6.062	4.633	4.417
92.5	11.388	9.829	8.227	5.586	5.326
93.0	14.072	11.648	10.695	6.885	6.452
93.5	16.670	13.986	13.293	8.833	7.967
94.0	19.225	16.757	15.631	11.431	9.872
94.5	21.780	19.572	17.710	14.419	12.384
95.0	24.378	22.689	19.745	17.580	15.285
95.5	26.889	25.763	21.953	20.567	18.489
96.0	29.357	28.621	24.508	23.252	21.650
96.5	31.782	31.522	27.582	25.807	24.508
97.0	34.250	34.640	31.089	28.491	27.236
97.5	36.805	37.844	34.986	31.349	30.137
98.0	39.186	41.135	38.970	34.207	32.995
98.5	41.611	44.512	42.780	37.368	35.809
99.0	43.993	47.803	46.504	41.092	38.797
99.5	46.504	50.964	50.228	45.335	42.174
100.0	48.929	54.168	54.168	49.925	46.201
100.5	51.094	57.286	58.195	54.471	50.574
101.0	53.432	60.403	62.439	58.715	55.207
101.5	55.814	63.478	66.769	62.742	59.711
102.0	58.065	66.509	71.272	66.682	63.867
102.5	60.447	69.626	75.948	70.622	68.024
103.0	63.045	72.657	80.884	74.606	72.051
103.5	65.253	75.602	86.037	78.633	75.991
104.0	67.158	78.806	91.190	82.616	79.932
104.5	69.367	82.140	96.429	86.816	83.959
105.0	71.575	85.431	101.625	91.190	87.986
105.5	73.783	88.419	107.081	95.650	92.142
106.0	75.905	91.406	112.493	100.283	96.429
106.5	77.853	94.394	118.166	105.002	100.802
107.0	79.845	97.425	123.925	110.155	105.132
107.5	81.924	100.586	129.727	115.611	109.895
108.0	83.742	103.660	135.572	121.240	114.832
108.5	85.864	106.648	141.504	127.085	119.984
109.0	88.289	109.636	147.436	133.104	125.353
109.5	90.843	112.623	153.282	139.253	130.982
110.0	93.052	115.568	158.998	145.531	136.785
110.5	94.784	118.642	164.713	151.940	142.803

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CANDELA TABULATION - (Cont.)

111.0	96.472	121.716	170.515	158.348	149.082
111.5	98.118	124.704	176.058	164.973	155.490
112.0	99.720	127.692	181.643	171.728	162.072
112.5	101.495	130.723	187.056	178.526	168.827
113.0	103.357	133.754	192.598	185.497	175.625
113.5	105.219	136.741	197.968	192.642	182.683
114.0	107.081	139.686	203.207	199.700	189.784
114.5	108.943	142.717	208.316	206.671	197.015
115.0	110.718	145.704	213.382	213.729	204.289
115.5	112.493	148.692	218.448	220.873	211.780
116.0	114.312	151.637	223.385	227.801	219.271
116.5	115.957	154.581	228.364	234.686	226.805
117.0	117.689	157.525	233.214	241.397	234.296
117.5	119.421	160.426	237.977	248.066	241.657
118.0	121.067	163.414	242.653	254.604	248.975
118.5	122.712	166.315	247.286	260.926	256.163
119.0	124.358	169.173	251.876	266.988	263.134
119.5	126.003	171.988	256.293	272.833	269.889
120.0	127.605	174.845	260.753	278.419	276.427
120.5	129.207	177.703	265.126	283.831	282.792
121.0	130.766	180.518	269.499	289.027	289.027
121.5	132.325	183.332	273.786	294.007	294.873
122.0	133.840	186.060	277.986	298.770	300.632
122.5	135.356	188.875	282.056	303.360	306.131
123.0	136.871	191.646	286.040	307.906	311.587
123.5	138.343	194.504	289.937	312.409	316.826
124.0	139.816	197.275	293.704	316.653	321.849
124.5	141.331	200.089	297.298	320.810	326.698
125.0	142.717	202.947	300.762	324.837	331.461
125.5	144.189	205.762	304.269	328.777	336.051
126.0	145.575	208.576	307.646	332.717	340.425
126.5	147.003	211.347	311.024	336.441	344.668
127.0	148.476	214.118	314.271	340.078	348.868
127.5	149.905	216.803	317.562	343.629	352.808
128.0	151.377	219.401	320.810	347.179	356.619
128.5	152.892	221.999	324.057	350.557	360.256
129.0	154.408	224.640	327.218	353.934	363.893
129.5	155.967	227.238	330.379	357.268	367.314
130.0	157.612	229.663	333.583	360.472	370.735
130.5	159.344	232.001	336.657	363.677	374.069
131.0	161.163	234.253	339.645	366.751	377.230
131.5	162.895	236.505	342.590	369.782	380.304
132.0	164.540	238.626	345.491	372.726	383.335
132.5	166.142	240.748	348.305	375.541	386.323
133.0	167.744	242.826	351.076	378.225	389.137
133.5	169.173	244.905	353.631	380.867	391.865
134.0	170.602	246.853	356.316	383.465	394.463
134.5	172.031	248.802	358.827	385.846	397.061
135.0	173.503	250.837	361.209	388.228	399.486
135.5	174.802	252.872	363.547	390.523	401.781
136.0	176.144	254.864	365.755	392.818	404.076
136.5	177.530	256.856	367.920	395.069	406.284
137.0	178.872	258.847	369.869	397.234	408.362
137.5	180.344	260.839	371.860	399.356	410.354
138.0	181.903	262.788	373.766	401.391	412.389
138.5	183.462	264.606	375.541	403.469	414.381

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CANDELA TABULATION - (Cont.)

139.0	185.107	266.555	377.230	405.461	416.329
139.5	186.623	268.503	378.875	407.366	418.061
140.0	188.268	270.452	380.477	409.228	419.880
140.5	189.957	272.314	382.079	411.004	421.569
141.0	191.602	274.132	383.595	412.822	423.301
141.5	193.334	275.908	385.067	414.554	424.989
142.0	194.937	277.596	386.409	416.243	426.592
142.5	196.625	279.242	387.751	417.932	428.194
143.0	198.314	280.887	389.050	419.577	429.752
143.5	200.089	282.446	390.349	421.179	431.355
144.0	201.865	284.005	391.562	422.738	432.957
144.5	203.553	285.477	392.644	424.297	434.299
145.0	205.242	286.906	393.770	425.899	436.031
145.5	207.061	288.335	394.853	427.458	437.330
146.0	208.966	289.764	395.935	428.973	439.062
146.5	210.784	291.106	396.931	430.445	440.361
147.0	212.516	292.275	397.840	431.961	441.660
147.5	214.248	293.487	398.663	433.433	443.392
148.0	216.110	294.743	399.442	434.732	444.691
148.5	218.059	295.826	400.092	436.031	445.990
149.0	219.964	296.995	400.698	437.330	447.289
149.5	221.912	298.120	401.045	438.629	449.021
150.0	223.904	299.160	401.304	439.495	450.320
150.5	226.026	300.199	401.521	440.361	451.186
151.0	228.061	301.151	401.694	441.227	452.485
151.5	230.183	302.147	401.867	442.093	453.351
152.0	232.304	303.143	401.867	442.526	454.217
152.5	234.513	303.966	401.867	442.959	455.083
153.0	236.808	304.875	401.651	442.959	455.516
153.5	239.059	305.698	401.304	443.392	455.949
154.0	241.181	306.564	400.915	442.959	455.949
154.5	243.476	307.430	400.352	442.959	455.949
155.0	245.814	308.339	399.832	442.526	455.516
155.5	248.196	309.205	399.183	442.093	455.083
156.0	250.664	309.985	398.490	441.660	454.650
156.5	252.959	310.721	397.710	441.227	453.784
157.0	255.470	311.630	396.888	440.361	452.918
157.5	258.025	312.366	395.978	439.495	452.052
158.0	260.579	313.102	394.983	438.196	451.186
158.5	263.004	313.795	393.813	436.897	449.887
159.0	265.299	314.445	392.644	435.598	448.588
159.5	267.681	315.137	391.302	433.866	446.856
160.0	270.019	315.744	389.960	432.350	445.557
160.5	272.314	316.350	388.488	430.532	443.825
161.0	274.652	316.913	386.972	428.497	442.093
161.5	276.947	317.432	385.413	426.418	440.361
162.0	279.242	318.038	383.681	424.167	438.196
162.5	281.623	318.515	381.949	421.785	436.031
163.0	283.918	319.078	380.174	419.231	433.433
163.5	286.213	319.554	378.269	416.633	430.662
164.0	288.465	320.030	376.320	413.905	427.804
164.5	290.586	320.550	374.328	411.047	424.773
165.0	292.578	321.026	372.337	408.059	421.612
165.5	294.700	321.459	370.302	404.985	418.235
166.0	296.778	321.892	368.223	401.781	414.771
166.5	298.727	322.282	366.145	398.533	411.177

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	300.675	322.715	364.066	395.199	407.453
167.5	302.580	323.148	361.988	391.778	403.643
168.0	304.486	323.538	359.910	388.314	399.702
168.5	306.391	323.884	357.831	384.764	395.762
169.0	308.209	324.187	355.796	381.170	391.692
169.5	309.985	324.533	353.848	377.619	387.535
170.0	311.673	324.880	351.856	374.025	383.421
170.5	313.319	325.226	349.951	370.431	379.351
171.0	314.791	325.616	348.089	366.924	375.281
171.5	316.177	325.876	346.227	363.460	371.384
172.0	317.562	326.222	344.495	360.083	367.400
172.5	318.904	326.482	342.806	356.835	363.503
173.0	320.117	326.742	341.204	353.631	359.780
173.5	321.243	326.958	339.688	350.600	356.142
174.0	322.282	327.175	338.260	347.829	352.678
174.5	323.278	327.391	336.961	345.058	349.474
175.0	324.187	327.608	335.705	342.590	346.357
175.5	325.010	327.824	334.579	340.251	343.412
176.0	325.746	327.954	333.497	338.130	340.771
176.5	326.439	328.127	332.587	336.224	338.389
177.0	327.002	328.257	331.765	334.536	336.311
177.5	327.521	328.344	331.072	333.064	334.492
178.0	327.911	328.430	330.509	331.894	333.020
178.5	328.257	328.474	330.076	330.899	331.851
179.0	328.517	328.517	329.773	330.206	330.985
179.5	328.647	328.560	329.600	329.816	330.509
180.0	329.340	329.340	329.340	329.340	329.340

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.07	N.A.	0.00
10-90	0.07	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.07	N.A.	0.00
90-110	119.40	N.A.	9.10
90-120	299.63	N.A.	22.70
90-130	537.01	N.A.	40.80
90-150	1008.43	N.A.	76.50
90-180	1317.48	N.A.	100.00
110-180	1198.08	N.A.	90.90
0-180	1317.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.07
90-100	23.94
100-110	95.47
110-120	180.23
120-130	237.38
130-140	247.95
140-150	223.46
150-160	173.12
160-170	103.46
170-180	32.47

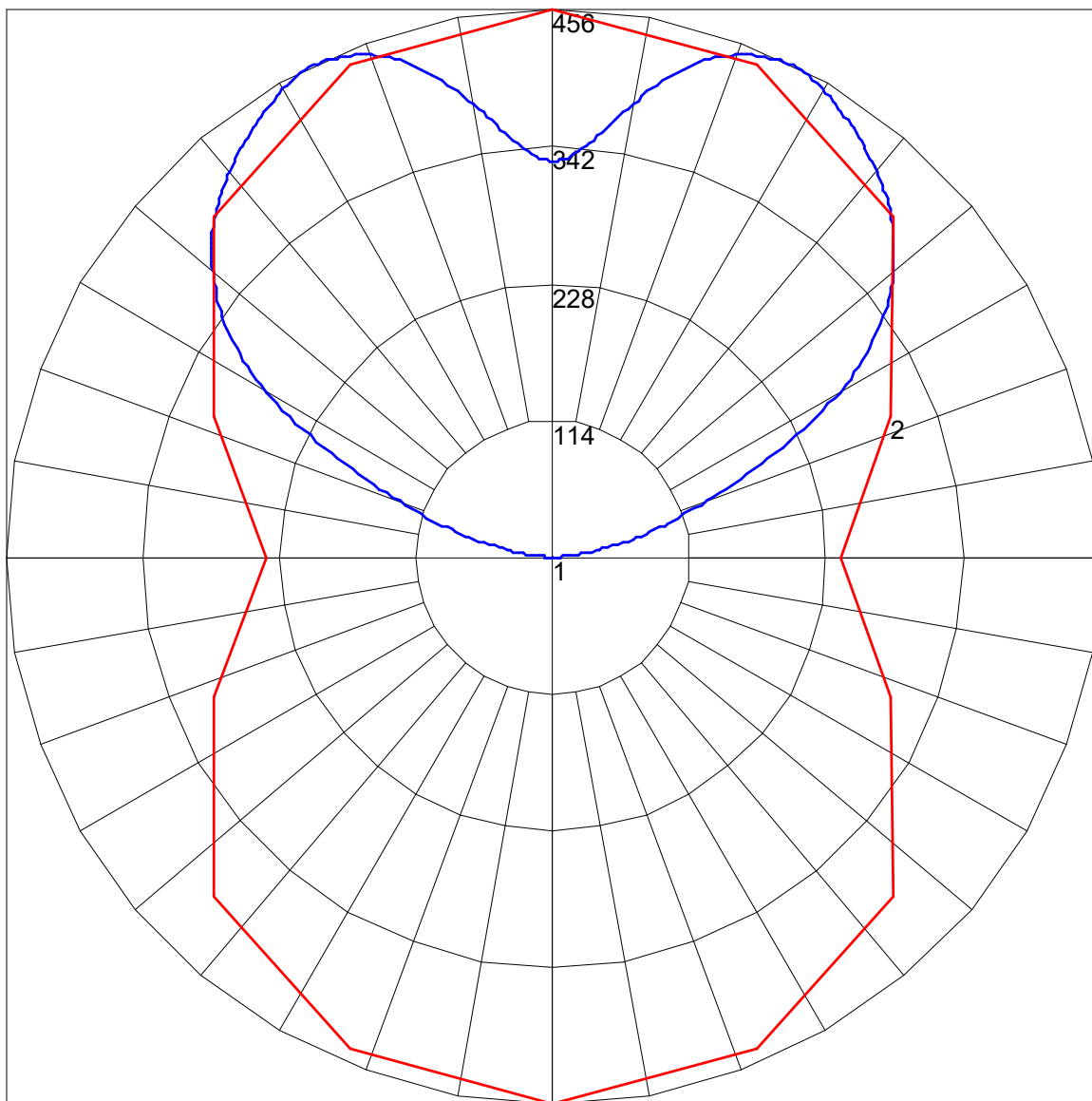
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	82	82	82	82	70	70	70	70	48	48	48	27	27	27	9	9	9	0
1	74	71	68	65	63	61	58	56	41	40	39	24	23	23	8	7	7	0
2	68	62	57	53	58	53	49	46	36	34	32	21	20	19	7	6	6	0
3	62	54	48	44	52	46	42	38	32	29	27	18	17	16	6	6	5	0
4	56	48	42	37	48	41	36	32	28	25	23	16	15	13	5	5	4	0
5	51	42	36	31	44	36	31	27	25	22	19	14	13	11	5	4	4	0
6	47	38	31	27	40	32	27	23	22	19	16	13	11	10	4	4	3	0
7	43	34	27	23	37	29	24	20	20	17	14	12	10	8	4	3	3	0
8	40	30	24	20	34	26	21	17	18	15	12	11	9	7	3	3	2	0
9	37	27	22	18	31	24	19	15	16	13	11	10	8	6	3	3	2	0
10	34	25	19	15	29	21	17	13	15	12	10	9	7	6	3	2	2	0

POLAR GRAPH



Maximum Candela = 455.949 Located At Horizontal Angle = 90, Vertical Angle = 153.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (153.5) (Through Max. Cd.)